International application No.
PCT/JP2004/015116

A. CLASSIFICATION OF SUBJECT MATTER Int.Cl <sup>7</sup> G03G15/20					
According to International Patent Classification (IPC) or to both national classification and IPC					
B. FIELDS SEARCHED					
Minimum documentation searched (classification system followed by classification symbols)  Int.Cl <sup>7</sup> G03G15/20					
Documentation searched other than minimum documentation to the exten t that such documents are included in the fields searched Jitsuyo Shinan Koho 1922-1996 Jitsuyo Shinan Toroku Koho 1996-2004 Kokai Jitsuyo Shinan Koho 1971-2004 Toroku Jitsuyo Shinan Koho 1994-2004					
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)					
C DOCUMEN	ITS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where ap	oppopriate of the relevant passages	Relevant to claim No.		
X	JP 2001-235964 A (Seiko Epso		1,3,19		
Y	31 August, 2001 (31.08.01),		2,4-11,13-18		
A	Detailed explanation of the $i$ Par. Nos. $[0001]$ , $[0013]$ to		1,2		
	Figs. 1, 3	[0017], [0023],			
	(Family: none)	•			
Y	JP 2002-174981 A (Toshiba Te 21 June, 2002 (21.06.02), Detailed explanation of the i	<del>-</del>	2,5,6,17,18		
	Par. Nos. [0001], [0036], [00 [0047], [0049], [0051]; Figs. & US 2002/116144 A1	039], [0043],			
·	<b>4 02 1001, 1</b> 1 01 11				
	·				
× Further do	cuments are listed in the continuation of Box C.	See patent family annex.			
"A" document de	gories of cited documents:  efining the general state of the art which is not considered  icular relevance	"T" later document published after the inte date and not in conflict with the applica the principle or theory underlying the in	ation but cited to understand		
•	cation or patent but published on or after the international	"X" document of particular relevance; the considered novel or cannot be considered.			
"L" document w	hich may throw doubts on priority claim(s) or which is ablish the publication date of another citation or other	step when the document is taken alone "Y" document of particular relevance; the c			
special reaso	n (as specified) ferring to an oral disclosure, use, exhibition or other means	considered to involve an inventive combined with one or more other such	step when the document is		
"P" document published prior to the international filing date but later than the priority date claimed		being obvious to a person skilled in the "&" document member of the same patent f	art		
Date of the actual completion of the international search		Date of mailing of the international search	ch report		
	ember, 2004 (20.12.04)	11 January, 2005 (1			
Name and mailing address of the ISA/ Japanese Patent Office		Authorized officer	<del></del>		
Facsimile No.  Telephone No.					
rorm PCI/ISA/21	Form PCT/ISA/210 (second sheet) (January 2004)				

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Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Υ ·	JP 2002-72755 A (Seiko Epson Corp.), 12 March, 2002 (12.03.02), Detailed explanation of the invention; Par. Nos. [0001], [0021]; Fig. 1 & US 2002/7752 A1	
Y	JP 10-69187 A (Minolta Co., Ltd.), 10 March, 1998 (10.03.98), Detailed explanation of the invention; Par. Nos. [0001], [0009], [0010], [0032], [0037]; Figs. 1, 2 (Family: none)	5,6,17,18
Y A	JP 2002-43048 A (Canon Inc.), 08 February, 2002 (08.02.02), Detailed explanation of the invention; Par. Nos. [0001], [0010], [0024], [0032], [0059], [0067] to [0072], [0075]; Figs. 9, 13 (Family: none)	7-11,13-18 12
Y	JP 8-95416 A (Toshiba Corp.), 12 April, 1996 (12.04.96), Detailed explanation of the invention; Par. Nos. [0001], [0004], [0008], [0012], [0018], [0057] (Family: none)	8,13,14
Y	JP 10-171296 A (Canon Inc.), 26 June, 1998 (26.06.98), Detailed explanation of the invention; Par. Nos. [0001], [0049] to [0056]; Figs. 2, 6 (Family: none)	15

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Box No. II Observ	ations where certain claims were found unsearchable (Continuation of item 2 of first sheet)	
1. Claims Nos.:	eport has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:  late to subject matter not required to be searched by this Authority, namely:	
	ate to parts of the international application that do not comply with the prescribed requirements to such an leaningful international search can be carried out, specifically:	
3. Claims Nos.: because they are	e dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).	
Box No. III Observa	ations where unity of invention is lacking (Continuation of item 3 of first sheet)	
This International Searching Authority found multiple inventions in this international application, as follows:		
in claims 1-6, heating area, I The special to in claims 7-18 heating means device is on st inventions are	technical feature of the inventions (first-group inventions) 19 is "disposing the above temperature detecting means in the by the above partial heating means, of the above heating roller". echnical feature of the inventions (second-group inventions) is "being so constituted as being heated by the above partial with the above heating roller kept rotating while the fixing tandby". Therefore, the special technical features of the both e not identical.	
1. X As all required acceptains.	dditional search fees were timely paid by the applicant, this international search report covers all searchable	
2. As all searchable any additional fee	claims could be searched without effort justifying an additional fee, this Authority did not invite payment of	
	the required additional search fees were timely paid by the applicant, this international search report covers as for which fees were paid, specifically claims Nos.:	
•	itional search fees were timely paid by the applicant. Consequently, this international search report is invention first mentioned in the claims; it is covered by claims Nos.:	
Remark on Protest	The additional search fees were accompanied by the applicant's protest.  No protest accompanied the payment of additional search fees.	

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Continuation of Box No.III of continuation of first sheet(2)

Whereas the first-group inventions can control the abnormal temperature rise of the heating roller when the heating roller at a standstill is heated while on standby, the second-group inventions do not assume the fact itself that the heating roller is stopped while on standby; therefore, it is also impossible to consider that special technical features of the both inventions correspond to each other.

Form PCT/ISA/210 (extra sheet) (January 2004)